



PCT

## RAW SEQUENCE LISTING

DATE: 10/04/2004

PATENT APPLICATION: US/10/509,197

TIME: 11:58:55

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\10042004\J509197.raw

4 <110> APPLICANT: Burbidge, Stephen A.  
 5 Cairns, William J.  
 6 Irving, Elaine A.  
 7 Parsons, Andrew A.  
 8 Richardson, Jill C.  
 9 Soden, Peter E.  
 10 Vinson, Mary  
 11 Watson, Mike A.  
 12 Whitney, Karl D.  
 14 <120> TITLE OF INVENTION: Methods of Treatment with LXR Modulators  
 17 <130> FILE REFERENCE: P51332  
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/509,197  
 20 <141> CURRENT FILING DATE: 2004-09-24  
 22 <150> PRIOR APPLICATION NUMBER: PCT/US03/09225  
 23 <151> PRIOR FILING DATE: 2003-03-26  
 25 <150> PRIOR APPLICATION NUMBER: 60/368,424  
 26 <151> PRIOR FILING DATE: 2002-03-27  
 28 <160> NUMBER OF SEQ ID NOS: 6  
 30 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
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 33 <211> LENGTH: 1344  
 34 <212> TYPE: DNA  
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 40 agagaggaag ccaggatgcc ccactctgct ggggggtactg caggggtggg gctggaggct 180  
 41 gcagagccca cagccctgct caccagggca gagccccctt cagaaccac agagatccgt 240  
 42 ccacaaaagc ggaaaaagg gccagcccc aaaatgctgg ggaacgagct atgcagcgtg 300  
 43 tgtggggaca aggcctcggg cttccactac aatgttctga gctgcgaggg ctgcaagga 360  
 44 ttcttccgcc gcagcgtcat caaggagcg cactacatct gccacagtgg cggccactgc 420  
 45 cccatggaca cctacatgcg tcgcaagtgc caggagtgtc ggcttcgcaa atgccgtcag 480  
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 48 caaatcctgc ccagctcag ccggaacaa ctgggcatga tcgagaagct cgtcgtgccc 660  
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 50 gcaccagatc cccatagccg ggaggcccg cagcagcgt ttgcccactt cactgagctg 780  
 51 gccatcgtct ctgtgcagga gatagttgac ttgtctaaac agctaccgg cttcctgcag 840  
 52 ctcagccggg aggccagat tgcctgtctg aagacctctg cgatcgaggt gatgcttctg 900  
 53 gagacatctc ggaggtacaa ccctgggagt gagagtatca ccttcctcaa ggatttcagt 960  
 54 tataaccggg aagactttgc caaagcagg ctgcaagtgg aattcatcaa ccccatcttc 1020  
 55 gagttctcca gggccatgaa tgagctgcaa ctcaatgat ccgagtttgc cttgctcatt 1080  
 56 gctatcagca tcttctctgc agaccggccc aacgtgcagg accagctcca ggtggagagg 1140

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57 ctgcagcaca catatgtgga agccctgcat gcctacgtct ccatccacca tccccatgac 1200
58 cgactgatgt tcccacggat gctaataaaa ctggtgagcc tccggaccct gagcagcgtc 1260
59 cactcagagc aagtgtttgc actgctctg caggacaaaa agctcccacc gctgctctct 1320
60 gagatctggg atgtgcacga atga 1344
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63 <211> LENGTH: 447
64 <212> TYPE: PRT
65 <213> ORGANISM: Homo Sapien
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70 Ala Val Glu Leu Trp Lys Pro Gly Ala Gln Asp Ala Ser Ser Gln Ala
71 20 25 30
72 Gln Gly Gly Ser Ser Cys Ile Leu Arg Glu Glu Ala Arg Met Pro His
73 35 40 45
74 Ser Ala Gly Gly Thr Ala Gly Val Gly Leu Glu Ala Ala Glu Pro Thr
75 50 55 60
76 Ala Leu Leu Thr Arg Ala Glu Pro Pro Ser Glu Pro Thr Glu Ile Arg
77 65 70 75 80
78 Pro Gln Lys Arg Lys Lys Gly Pro Ala Pro Lys Met Leu Gly Asn Glu
79 85 90 95
80 Leu Cys Ser Val Cys Gly Asp Lys Ala Ser Gly Phe His Tyr Asn Val
81 100 105 110
82 Leu Ser Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Val Ile Lys
83 115 120 125
84 Gly Ala His Tyr Ile Cys His Ser Gly Gly His Cys Pro Met Asp Thr
85 130 135 140
86 Tyr Met Arg Arg Lys Cys Gln Glu Cys Arg Leu Arg Lys Cys Arg Gln
87 145 150 155 160
88 Ala Gly Met Arg Glu Glu Cys Val Leu Ser Glu Glu Gln Ile Arg Leu
89 165 170 175
90 Lys Lys Leu Lys Arg Gln Glu Glu Glu Gln Ala His Ala Thr Ser Leu
91 180 185 190
92 Pro Pro Arg Arg Ser Ser Pro Pro Gln Ile Leu Pro Gln Leu Ser Pro
93 195 200 205
94 Glu Gln Leu Gly Met Ile Glu Lys Leu Val Ala Ala Gln Gln Gln Cys
95 210 215 220
96 Asn Arg Arg Ser Phe Ser Asp Arg Leu Arg Val Thr Pro Trp Pro Met
97 225 230 235 240
98 Ala Pro Asp Pro His Ser Arg Glu Ala Arg Gln Gln Arg Phe Ala His
99 245 250 255
100 Phe Thr Glu Leu Ala Ile Val Ser Val Gln Glu Ile Val Asp Phe Ala
101 260 265 270
102 Lys Gln Leu Pro Gly Phe Leu Gln Leu Ser Arg Glu Asp Gln Ile Ala
103 275 280 285
104 Leu Leu Lys Thr Ser Ala Ile Glu Val Met Leu Leu Glu Thr Ser Arg
105 290 295 300
106 Arg Tyr Asn Pro Gly Ser Glu Ser Ile Thr Phe Leu Lys Asp Phe Ser
107 305 310 315 320

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108 Tyr Asn Arg Glu Asp Phe Ala Lys Ala Gly Leu Gln Val Glu Phe Ile
109           325           330           335
110 Asn Pro Ile Phe Glu Phe Ser Arg Ala Met Asn Glu Leu Gln Leu Asn
111           340           345           350
112 Asp Ala Glu Phe Ala Leu Leu Ile Ala Ile Ser Ile Phe Ser Ala Asp
113           355           360           365
114 Arg Pro Asn Val Gln Asp Gln Leu Gln Val Glu Arg Leu Gln His Thr
115           370           375           380
116 Tyr Val Glu Ala Leu His Ala Tyr Val Ser Ile His His Pro His Asp
117 385           390           395           400
118 Arg Leu Met Phe Pro Arg Met Leu Met Lys Leu Val Ser Leu Arg Thr
119           405           410           415
120 Leu Ser Ser Val His Ser Glu Gln Val Phe Ala Leu Arg Leu Gln Asp
121           420           425           430
122 Lys Lys Leu Pro Pro Leu Leu Ser Glu Ile Trp Asp Val His Glu
123           435           440           445
126 <210> SEQ ID NO: 3
127 <211> LENGTH: 1383
128 <212> TYPE: DNA
129 <213> ORGANISM: Homo sapien
131 <400> SEQUENCE: 3
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133 cctggcgccc cttcttcttc acccactgta aaggaggagg gtccggagcc gtggcccggg 120
134 ggtccggacc ctgatgtccc aggcactgat gaggccagct cagcctgcag cacagactgg 180
135 gtcacccag atccccgaaga ggaaccagag cgcaagcgaa agaagggccc agccccgaag 240
136 atgctgggcc acgagctttg ccgtgtctgt ggggacaagg cctccggctt ccactacaac 300
137 gtgctcagct gcgaaggctg caagggcttc ttccggcgca gtgtggtccg tgggtggggc 360
138 aggcgctatg cctgccgggg tggcggaacc tgccagatgg acgctttcat gcggcgcaag 420
139 tgccagcagt gccggctgcg caagtgcagg gaggcaggga tgaggagca gtgcgtcctt 480
140 tctgaagaac agatccggaa gaagaagatt cggaaacagc agcaggagtc acagtcacag 540
141 tcgcagtcac ctgtggggcc gcagggcagc agcagctcag cctctgggcc tggggcttcc 600
142 cctggtggat ctgaggcagg cagccagggc tccggggaag gcgagggtgt ccagctaaca 660
143 gcggctcaag aactaatgat ccagcagttg gtggcgcccc aactgcagtg caacaaacgc 720
144 tccttctccg accagcccaa agtcacgccc tggcccctgg gcgcagacct ccagtcccga 780
145 gatccccgcc agcaacgctt tgcccacttc acggagctgg ccatcatctc agtccaggag 840
146 atcgtggact tcgctaagca agtgcctggt ttctgcagc tgggccggga ggaccagatc 900
147 gccctcctga aggcattcac tatcgagatc atgctgctag agacagccag gcgctacaac 960
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149 cgtgcaggcc tgcagggtga gttcatcaac cccatcttcg agttctcgcg ggccatgcgg 1080
150 cggctgggcc tggacgacgc tgagtacgcc ctgctcatcg ccatcaacat cttctcggcc 1140
151 gaccggccca acgtgcagga gccgggcccgc gtggaggcgt tgcagcagcc ctacgtggag 1200
152 gcgctgctgt cctacacgcg catcaagagg ccgcaggacc agctgcgctt cccgcgcatg 1260
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158 <211> LENGTH: 460
159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapien

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Input Set : A:\seqlist.txt

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162 &lt;400&gt; SEQUENCE: 4

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163 Met Ser Ser Pro Thr Thr Ser Ser Leu Asp Thr Pro Leu Pro Gly Asn
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165 Gly Pro Pro Gln Pro Gly Ala Pro Ser Ser Ser Pro Thr Val Lys Glu
166 20 25 30
167 Glu Gly Pro Glu Pro Trp Pro Gly Gly Pro Asp Pro Asp Val Pro Gly
168 35 40 45
169 Thr Asp Glu Ala Ser Ser Ala Cys Ser Thr Asp Trp Val Ile Pro Asp
170 50 55 60
171 Pro Glu Glu Glu Pro Glu Arg Lys Arg Lys Lys Gly Pro Ala Pro Lys
172 65 70 75 80
173 Met Leu Gly His Glu Leu Cys Arg Val Cys Gly Asp Lys Ala Ser Gly
174 85 90 95
175 Phe His Tyr Asn Val Leu Ser Cys Glu Gly Cys Lys Gly Phe Phe Arg
176 100 105 110
177 Arg Ser Val Val Arg Gly Gly Ala Arg Arg Tyr Ala Cys Arg Gly Gly
178 115 120 125
179 Gly Thr Cys Gln Met Asp Ala Phe Met Arg Arg Lys Cys Gln Gln Cys
180 130 135 140
181 Arg Leu Arg Lys Cys Lys Glu Ala Gly Met Arg Glu Gln Cys Val Leu
182 145 150 155 160
183 Ser Glu Glu Gln Ile Arg Lys Lys Lys Ile Arg Lys Gln Gln Gln Glu
184 165 170 175
185 Ser Gln Ser Gln Ser Gln Ser Pro Val Gly Pro Gln Gly Ser Ser Ser
186 180 185 190
187 Ser Ala Ser Gly Pro Gly Ala Ser Pro Gly Gly Ser Glu Ala Gly Ser
188 195 200 205
189 Gln Gly Ser Gly Glu Gly Glu Gly Val Gln Leu Thr Ala Ala Gln Glu
190 210 215 220
191 Leu Met Ile Gln Gln Leu Val Ala Ala Gln Leu Gln Cys Asn Lys Arg
192 225 230 235 240
193 Ser Phe Ser Asp Gln Pro Lys Val Thr Pro Trp Pro Leu Gly Ala Asp
194 245 250 255
195 Pro Gln Ser Arg Asp Ala Arg Gln Gln Arg Phe Ala His Phe Thr Glu
196 260 265 270
197 Leu Ala Ile Ile Ser Val Gln Glu Ile Val Asp Phe Ala Lys Gln Val
198 275 280 285
199 Pro Gly Phe Leu Gln Leu Gly Arg Glu Asp Gln Ile Ala Leu Leu Lys
200 290 295 300
201 Ala Ser Thr Ile Glu Ile Met Leu Leu Glu Thr Ala Arg Arg Tyr Asn
202 305 310 315 320
203 His Glu Thr Glu Cys Ile Thr Phe Leu Lys Asp Phe Thr Tyr Ser Lys
204 325 330 335
205 Asp Asp Phe His Arg Ala Gly Leu Gln Val Glu Phe Ile Asn Pro Ile
206 340 345 350
207 Phe Glu Phe Ser Arg Ala Met Arg Arg Leu Gly Leu Asp Asp Ala Glu
208 355 360 365
209 Tyr Ala Leu Leu Ile Ala Ile Asn Ile Phe Ser Ala Asp Arg Pro Asn
210 370 375 380

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211 Val Gln Glu Pro Gly Arg Val Glu Ala Leu Gln Gln Pro Tyr Val Glu
212 385                               390                               395                               400
213 Ala Leu Leu Ser Tyr Thr Arg Ile Lys Arg Pro Gln Asp Gln Leu Arg
214                               405                               410                               415
215 Phe Pro Arg Met Leu Met Lys Leu Val Ser Leu Arg Thr Leu Ser Ser
216                               420                               425                               430
217 Val His Ser Glu Gln Val Phe Ala Leu Arg Leu Gln Asp Lys Lys Leu
218                               435                               440                               445
219 Pro Pro Leu Leu Ser Glu Ile Trp Asp Val His Glu
220 450                               455                               460
223 <210> SEQ ID NO: 5
224 <211> LENGTH: 20
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: LXR-alpha left primer
231 <400> SEQUENCE: 5
232 agtggttgca cttcgctgc 20
234 <210> SEQ ID NO: 6
235 <211> LENGTH: 20
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: LXR-alpha right primer
242 <400> SEQUENCE: 6
243 gtaagcttca gctgcgtggc 20

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/509,197

DATE: 10/04/2004

TIME: 11:58:56

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\10042004\J509197.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application Number